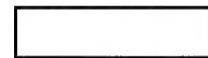


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PHOTOGRAPHIC INTERPRETATION REPORT

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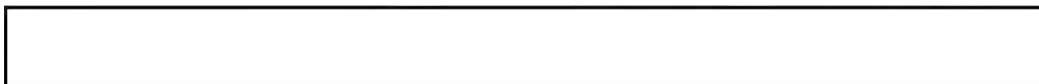
LAUNCH COMPLEX D
AND WINGED VEHICLE AT LAUNCH AREA 3D,
KAPUSTIN YAR/VLADIMIROVKA
MISSILE TEST CENTER, USSR



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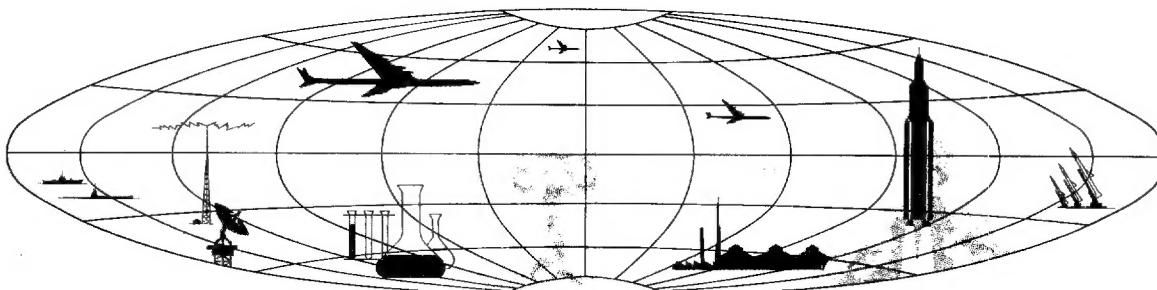


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LAUNCH COMPLEX D AND WINGED VEHICLE AT LAUNCH AREA 3D, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

This photographic interpretation report was prepared in response to requirements [redacted] UGMC-64, DIAXX 64-14, C-SI4-81,587, and GMAIC 10-64, and is one of a series of reports updating information on the SSM facilities at the Kapustin Yar/Vladimirovka Missile Test Center (KY/VMTC), shown in Figure 1.

This report covers Launch Complex D (Figure 2) and also includes a detailed study of a winged vehicle observed at Launch Area 3D on

the basis for updating of information on the facilities.

Mission [redacted] provided photographic coverage of a winged vehicle on an inclined probable launcher in Launch Area 3D, KY/VMTC (Figure 3). This winged vehicle, while identifiable, is on photographic coverage of only fair quality and all dimensions must be considered as approximate. The winged vehicle has a total slant length of approximately 70 feet and has a delta wing at the rear. Only one side of this wing is visible, so an estimated total width of 40 feet is even more approximate as the center point on the 5- to 10-foot "fuselage" must be estimated. This fuselage appears to taper at the front. Approximately 15 feet from the nose there are possible cunard fins. No configuration or measurements can be determined for these items. The delta wing appears to have either a heavy fairing or double delta section where it joins the fuselage approximately 30 to 35 feet from the tail. The one leading edge visible has a sweep back of approximately [redacted]

The winged vehicle is inclined, with the nose raised and pointed downrange. It is located on

a scarred area north of the loop road serving the launch pad. The rear of the winged vehicle is over a permanent small object, suggesting that the rear of the launcher is fastened to this in some manner. This is probably a launch point as it is connected by probable conduit back to the control section of the launch pad. The launch structures on the pad which was under construction in [redacted] apparently have been removed and all that remains on the pad is a slightly raised platform or line.

There were also at least three unidentified vehicles/pieces of equipment on the northern of the two roads entering the drive-through assembly and checkout building to the rear of the launch position. The poor resolution of the photography does not permit any further identification or mensuration of these objects.

Launch Area 1D (Figure 4) at Launch Complex D shows no apparent change since [redacted] although two items identified on [redacted] photography can now be reevaluated because of the larger scale of Mission [redacted] photography. One of these items, originally identified as a revetment, can now be seen to be a catch basin. A pipeline leads from this basin to the control bunker. The second item, identified as a catch basin on Mission [redacted] photography, is actually a revetted entranceway leading beneath Launch Site 1D-3.

The only activity at Launch Area 1D is a probable cargo truck in motion on the Site 1D-3 launch pad and an irregularly shaped object approximately 70 feet long is located on the rail line immediately behind the Site 1D-1 rail-served launch structure.

Launch Area 2D (Figure 5) shows no ap-

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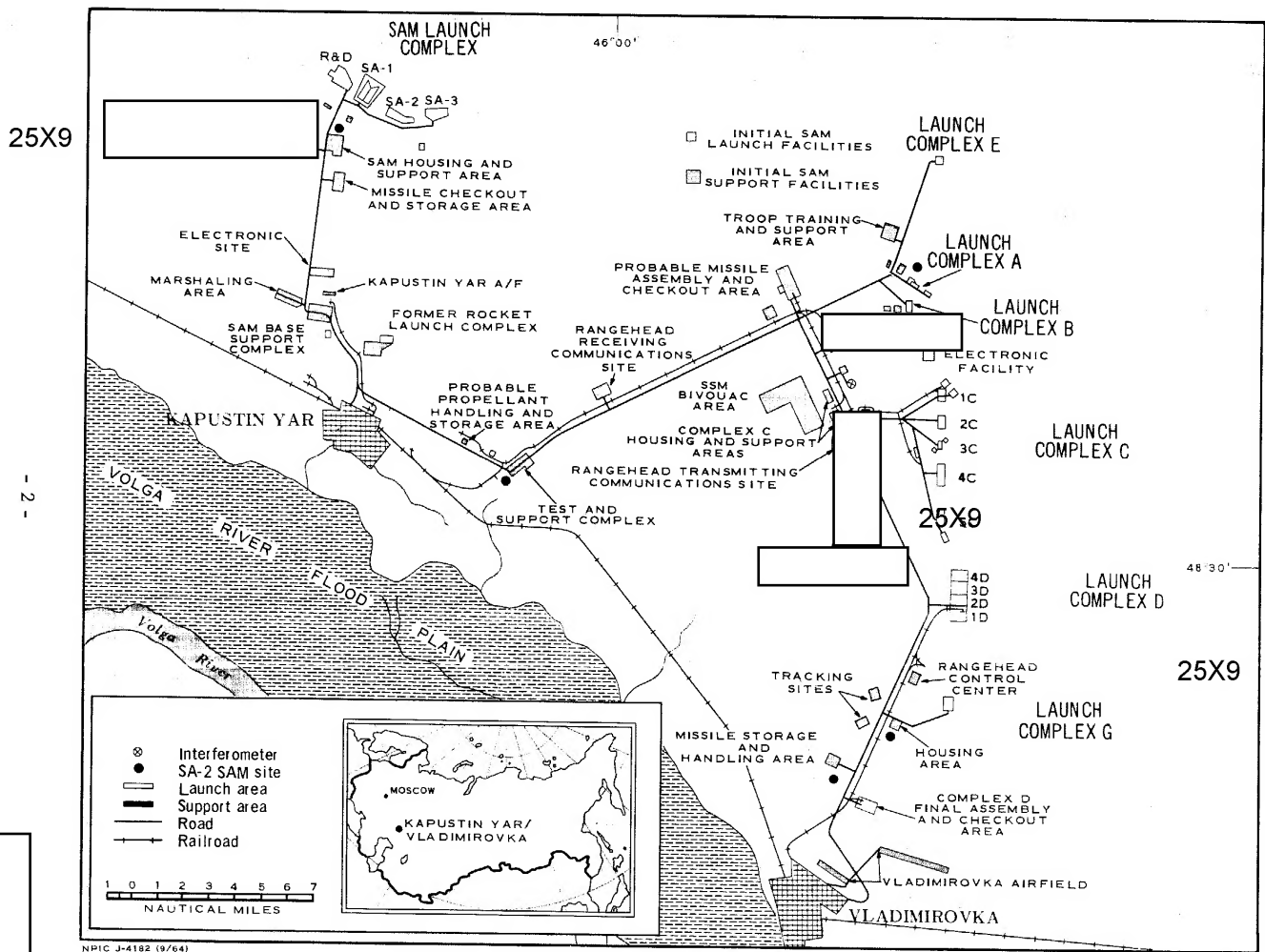


FIGURE 1. KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER.

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FIGURE 2. LAUNCH COMPLEX D.

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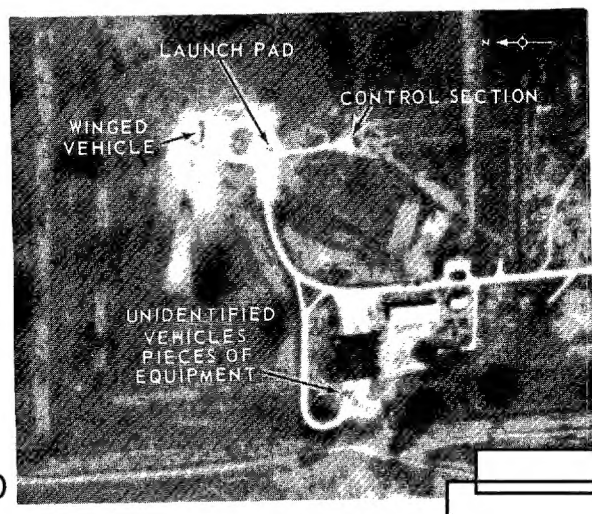


FIGURE 3. LAUNCH AREA 3D. Winged vehicle on probable launcher.

parent change since [redacted]. However, an exercise was in progress in the north section of the area in [redacted]. The exercise includes nine vehicles and five unidentified pieces of equipment. The general layout of the vehicles and equipment resembles the vehicles and equipment layout of a SCUD B meteorological unit. 1/

Launch Area 3D (Figures 6 and 7) has shown no apparent change in facilities since [redacted] 2/ but the larger scale of Mission [redacted] photography enables identification of a 40- by 25-foot building just northeast of the double-road-served drive-through building and a circular bunker approximately 25 feet in

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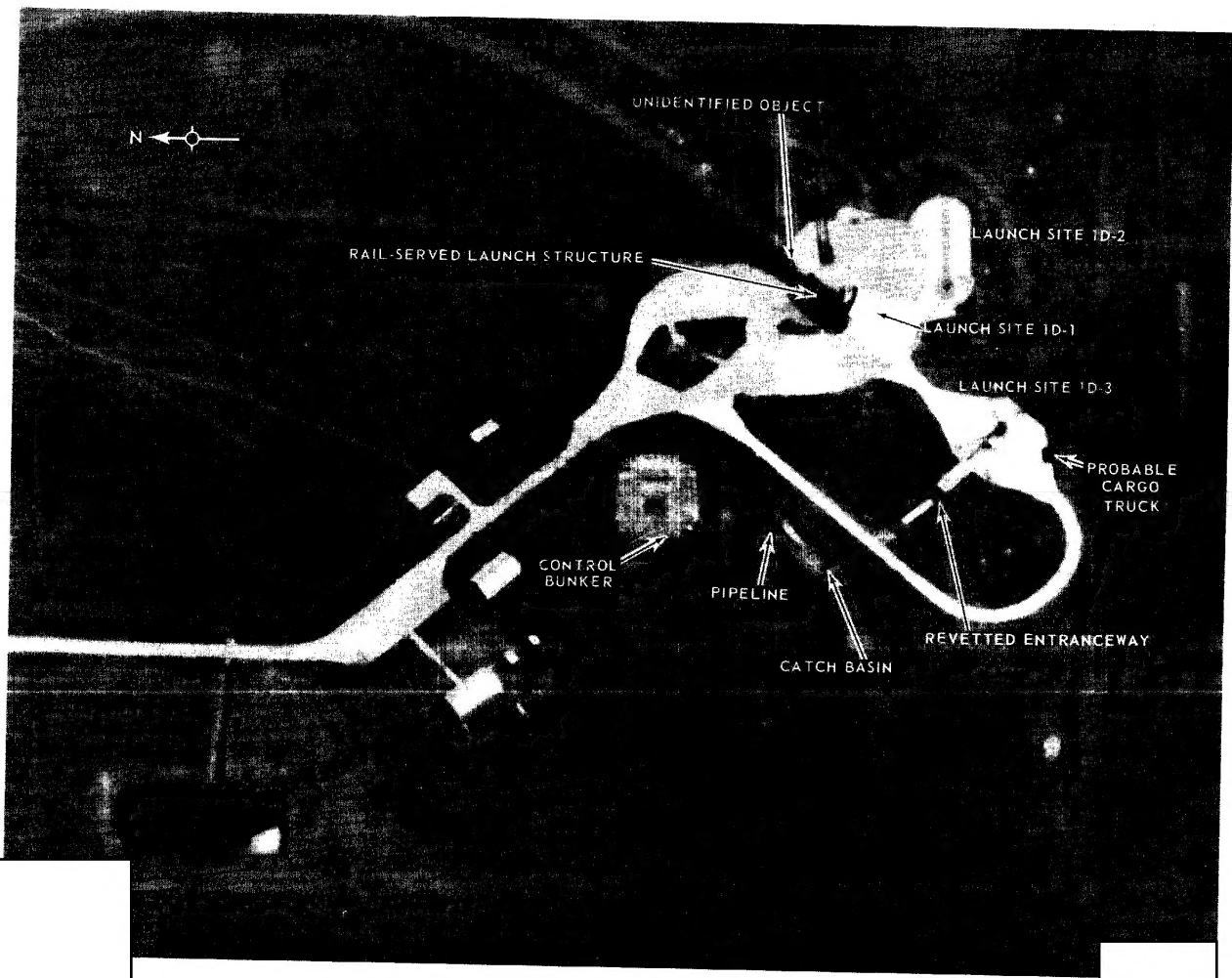


FIGURE 4. LAUNCH AREA 1D.

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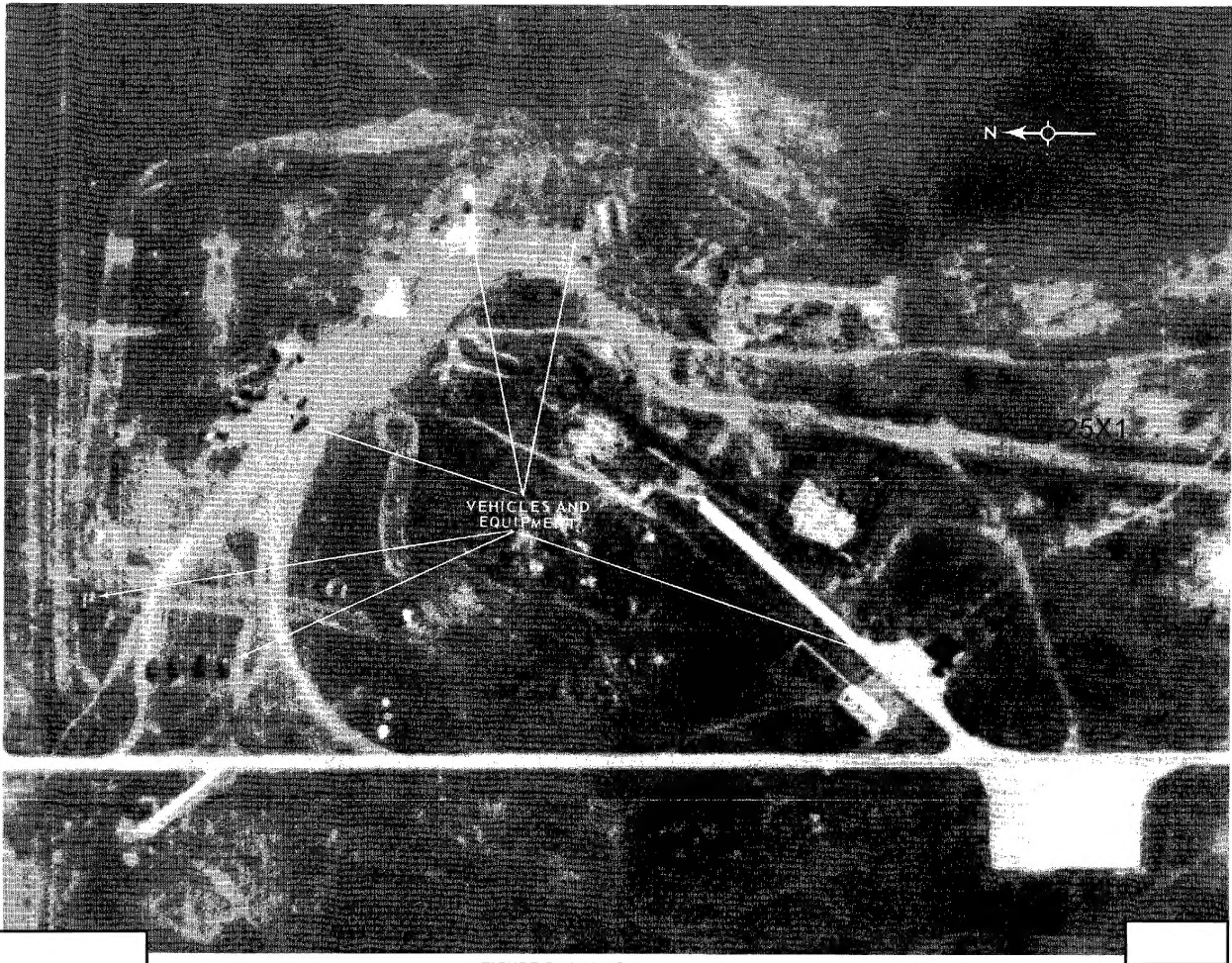


FIGURE 5. LAUNCH AREA 2D.

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diameter just southeast of the drive-through building. Another building previously unidentified as to function can now be seen to be a heat plant.

Launch Area 4D (Figure 8) has shown no

further signs of new construction since [redacted] [redacted] All construction efforts had apparently ceased before [redacted] and the partially constructed facilities--the pad area, support buildings, and access road into the

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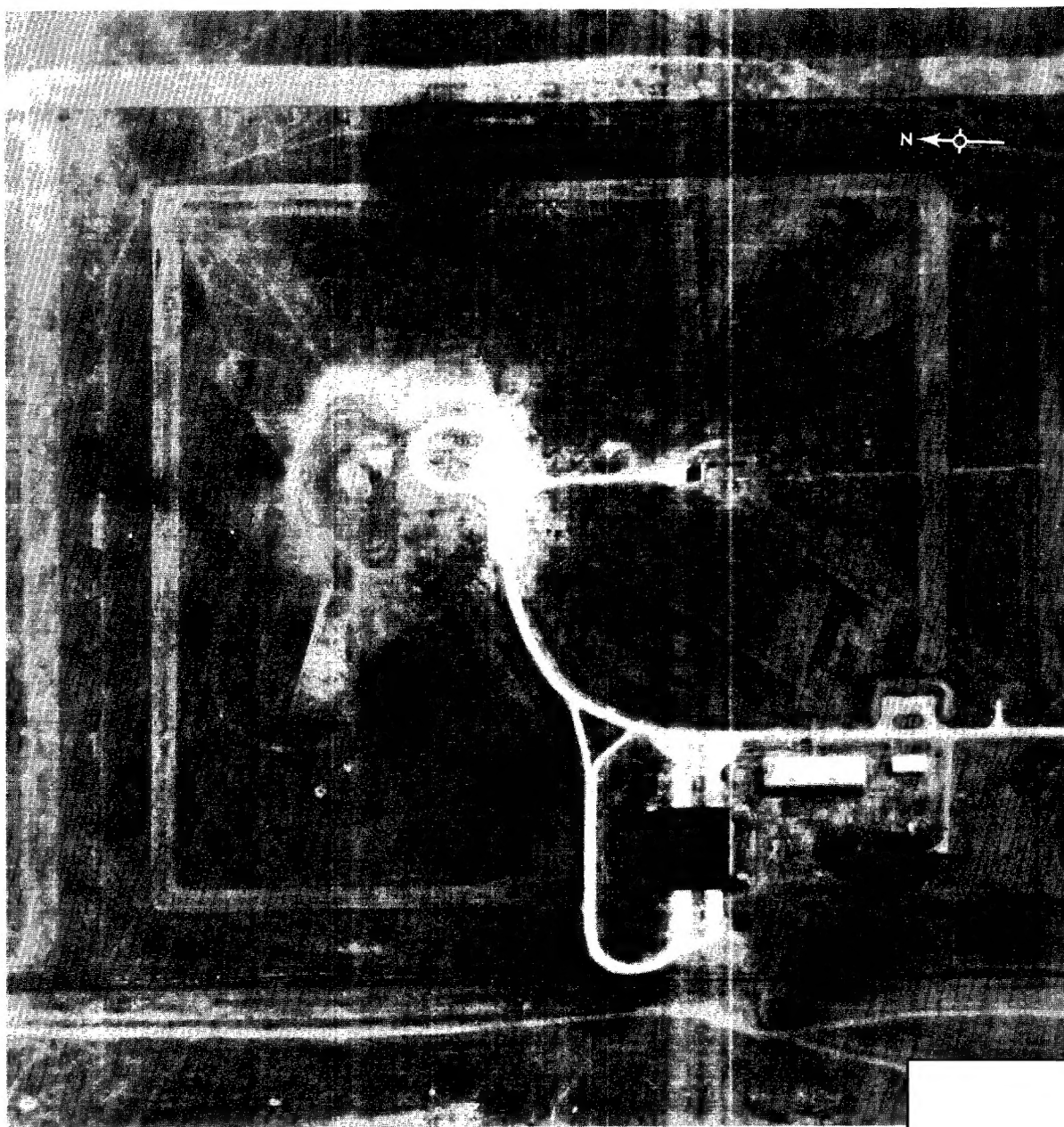


FIGURE 6. LAUNCH AREA 3D.

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pad appears unserviceable but there is ample

area to either side which could be utilized for field exercises or firings.

The Final Assembly and Checkout Area (Figure 9) is located approximately 8 nautical miles south-southwest of Launch Complex D

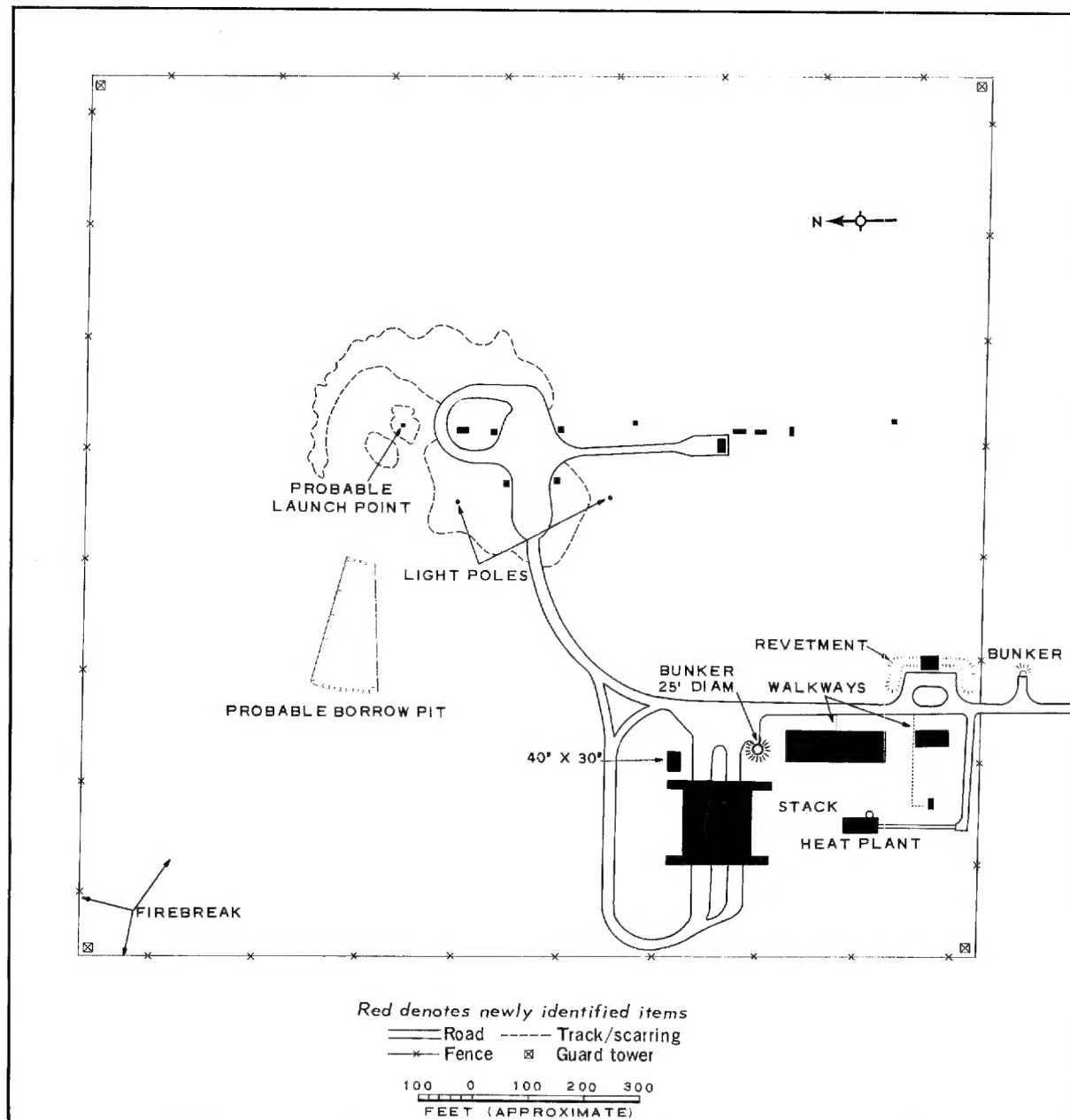


FIGURE 7. LAYOUT OF LAUNCH AREA 3D.

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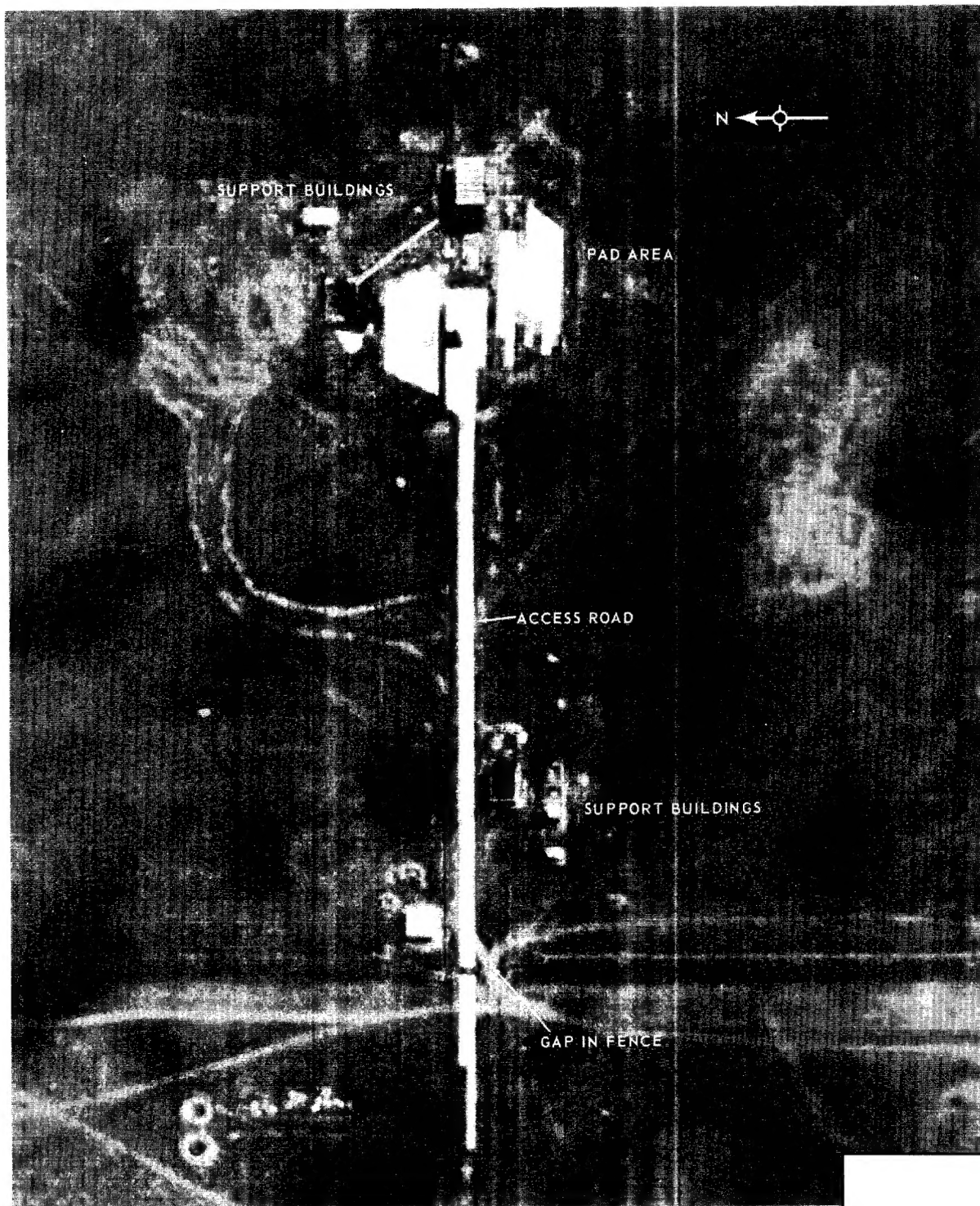


FIGURE 8. LAUNCH AREA 4D

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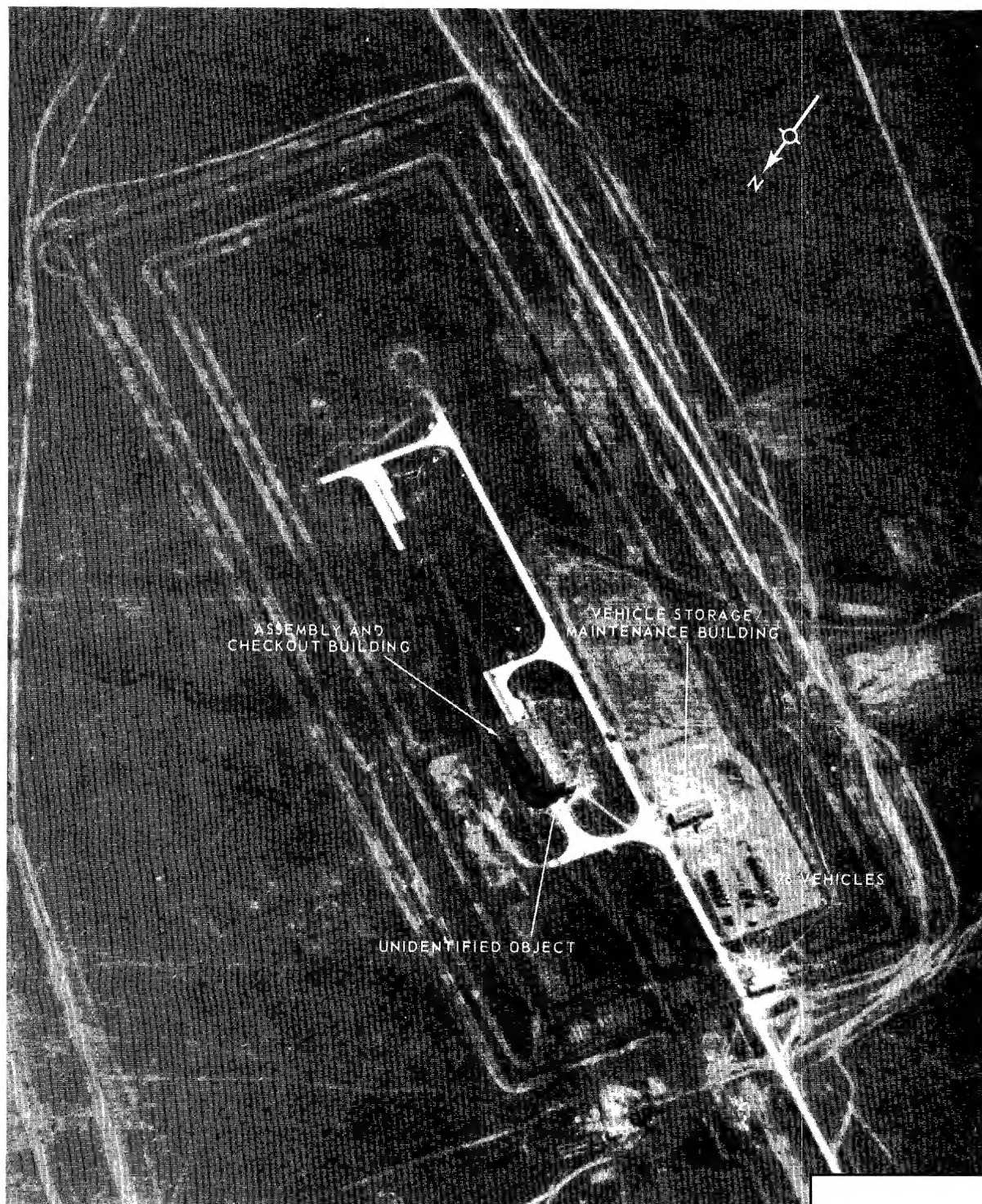


FIGURE 9. FINAL ASSEMBLY AND CHECKOUT AREA.

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proper along the rail line and road to Launch Area 1D. The Assembly and Checkout Area is connected by rail to the launch facility at Launch Area 1D. One new vehicle storage/maintenance building, approximately 95 by 40 feet, was added in the area west-southwest of the assembly and checkout building between

At the time of Mission 22 vehicles 20 to 25 feet long and 4 approximately 35 feet long were parked within the area. An unidentified object was on the rail line just protruding from the west end of the assembly and checkout building.

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PHOTOGRAPHY

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REQUIREMENTS

[REDACTED]

GMAIC. UGMC-64 (partial answer)
DIA. DIAXX 64-14 (partial answer)
CIA. C-SI4-81,587
GMAIC. 10-64

NPIC PROJECT

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